



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: )  
Minoru MIYAZAKI et al. ) Examiner  
Serial No. 10/620,420 ) Group Art Unit:  
Filed: July 17, 2003 )  
For: ELECTRONIC CIRCUIT )

## **INFORMATION DISCLOSURE STATEMENT**

Mail Stop Box DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

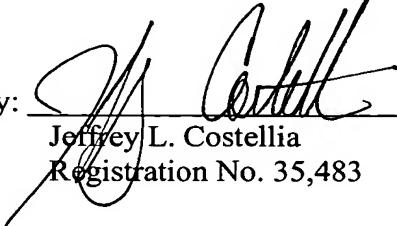
The remaining publications listed on the attached Form PTO-1449 were cited in parent application Serial No. 10/193,162 filed July 12, 2002 and the predecessor applications including 09/703,594 filed November 2, 2000; Serial No. 08/162,357 filed December 7, 1993; and Patent Nos. 6,166,414; 6,031,290; 5,804,878; and 5,623,157. Inasmuch as it is believed that each of these publications meet the requirements of 37 CFR 1.98(d), no copies of these publications are being furnished.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Sheet	1	of	1	Application Number	10/620,420
				Filing Date	July 17, 2003
				First Named Inventor	Minoru MIYAZAKI et al.
				Art Unit	
				Examiner Name	
				Attorney Docket Number	740756-2624

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> ( <i>if known</i> )				
		US-4,842,705		06/27/1989	Mueller	
		US-4,888,210		12/19/1989	Isozaki et al.	
		US-5,153,142		10/06/1992	Hsieh	
		US-5,177,577		01/05/1993	Taniguchi et al.	
		US-5,264,077		11/23/1993	Fukui et al.	
		US-5,414,278		05/09/1995	Kobayashi et al.	
		US-5,468,987		11/21/1995	Yamazaki et al.	
		US-5,495,353		02/27/1996	Yamazaki et al.	
		US-5,500,538		03/19/1996	Yamazaki et al.	
		US-5,521,107		05/28/1996	Yamazaki et al.	
		US-5,612,799		03/18/1997	Yamazaki et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )				
		JP 60-016462		01/28/1985	Kato		AB
		JP 61-183971		08/16/1986	Fuji et al.		AB
		JP 62-286271		12/12/1987	Takeda et al.		AB
		JP 63-074033		04/04/1988	Nishida et al.		AB

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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